



ATTORNEY DOCKET NO. 14014.0347U3

SEQUENCE LISTING

<110> The Government of the United States, as represented by the
Secretary, Dept. of Health and Human Services

Berzofsky, Jay A.
Sarobe, Pablo
Pendleton, C. David
Feinstone, Stephen M.
Arichi, Tatsumi
Major, Marian E.

<120> MODIFIED HCV PEPTIDE VACCINES

<130> 14014.0347/P

<150> 60/097,446

<151> 1998-08-21

<160> 8

<170> FastSEQ for Windows Version 3.0

<210> 1

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223>Description of Artificial Sequence:/Note =
synthetic construct

<400> 1

Asp Leu Met Gly Tyr Ile Pro Ala Val
1 / 5

<210> 2

<211> 191

<212> PRT

<213> Artificial Sequence

<220>

<223>Description of Artificial Sequence:/Note =
synthetic construct

<400> 2

Met Ser Thr Asn Pro Lys Pro Gln Lys Lys Asn Lys Arg Asn Thr Asn
1 5 10 15
Arg Arg Pro Gln Asp Val Lys Phe Pro Gly Gly Gly Gln Ile Val Gly
20 25 30
Gly Val Tyr Leu Leu Pro Arg Arg Gly Pro Arg Leu Gly Val Arg Ala
35 40 45
Thr Arg Lys Thr Ser Glu Arg Ser Gln Pro Arg Gly Arg Arg Gln Pro
50 55 60
Ile Pro Lys Ala Arg Arg Pro Glu Gly Arg Thr Trp Ala Gln Pro Gly

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| | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 65 | | 70 | | 75 | | 80 | | | | | | | | | |
| Tyr | Pro | Trp | Pro | Leu | Tyr | Gly | Asn | Glu | Gly | Cys | Gly | Trp | Ala | Gly | Trp |
| | | | | 85 | | | | | 90 | | | | | 95 | |
| Leu | Leu | Ser | Pro | Arg | Gly | Ser | Arg | Pro | Ser | Trp | Gly | Pro | Thr | Asp | Pro |
| | | | 100 | | | | | 105 | | | | | 110 | | |
| Arg | Arg | Arg | Ser | Arg | Asn | Leu | Gly | Lys | Val | Ile | Asp | Thr | Leu | Thr | Cys |
| | | | 115 | | | | 120 | | | | | 125 | | | |
| Gly | Phe | Ala | Asp | Leu | Met | Gly | Tyr | Ile | Pro | Ala | Val | Gly | Ala | Pro | Leu |
| | 130 | | | | | 135 | | | | | 140 | | | | |
| Gly | Gly | Ala | Ala | Arg | Ala | Leu | Ala | His | Gly | Val | Arg | Val | Leu | Glu | Asp |
| 145 | | | | | 150 | | | | | 155 | | | | 160 | |
| Gly | Val | Asn | Tyr | Ala | Thr | Gly | Asn | Leu | Pro | Gly | Cys | Ser | Phe | Ser | Ile |
| | | | 165 | | | | | 170 | | | | | 175 | | |
| Phe | Leu | Leu | Ala | Leu | Leu | Ser | Cys | Leu | Thr | Val | Pro | Ala | Ser | Ala | |
| | | | 180 | | | | | 185 | | | | | 190 | | |

<210> 3
 <211> 9
 <212> PRT
 <213> Artificial Sequence

<220>
 <223>Description of Artificial Sequence:/Note =
 synthetic construct

<400> 3
 Asp Leu Met Gly Tyr Ile Pro Leu Val
 1 5

<210> 4
 <211> 191
 <212> PRT
 <213> Artificial Sequence

<220>
 <223>Description of Artificial Sequence:/Note =
 synthetic construct

<400> 4
 Met Ser Thr Asn Pro Lys Pro Gln Lys Lys Asn Lys Arg Asn Thr Asn
 1 5 10 15
 Arg Arg Pro Gln Asp Val Lys Phe Pro Gly Gly Gly Gln Ile Val Gly
 20 25 30
 Gly Val Tyr Leu Leu Pro Arg Arg Gly Pro Arg Leu Gly Val Arg Ala
 35 40 45
 Thr Arg Lys Thr Ser Glu Arg Ser Gln Pro Arg Gly Arg Arg Gln Pro
 50 55 60
 Ile Pro Lys Ala Arg Arg Pro Glu Gly Arg Thr Trp Ala Gln Pro Gly
 65 70 75 80
 Tyr Pro Trp Pro Leu Tyr Gly Asn Glu Gly Cys Gly Trp Ala Gly Trp
 85 90 95
 Leu Leu Ser Pro Arg Gly Ser Arg Pro Ser Trp Gly Pro Thr Asp Pro
 100 105 110
 Arg Arg Arg Ser Arg Asn Leu Gly Lys Val Ile Asp Thr Leu Thr Cys
 115 120 125

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| | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Gly | Phe | Ala | Asp | Leu | Met | Gly | Tyr | Ile | Pro | Leu | Val | Gly | Ala | Pro | Leu |
| 130 | | | | | | 135 | | | | | | 140 | | | |
| Gly | Gly | Ala | Ala | Arg | Ala | Leu | Ala | His | Gly | Val | Arg | Val | Leu | Glu | Asp |
| 145 | | | | | 150 | | | | | 155 | | | | | 160 |
| Gly | Val | Asn | Tyr | Ala | Thr | Gly | Asn | Leu | Pro | Gly | Cys | Ser | Phe | Ser | Ile |
| | | | | 165 | | | | | 170 | | | | | 175 | |
| Phe | Leu | Leu | Ala | Leu | Leu | Ser | Cys | Leu | Thr | Val | Pro | Ala | Ser | Ala | |
| | | | 180 | | | | | 185 | | | | | 190 | | |

<210> 5
 <211> 23
 <212> DNA
 <213> Artificial Sequence

<220>
 <223>Description of Artificial Sequence:/Note =
 synthetic construct

<400> 5
 tcattgggta cataccggcg gtc 23

<210> 6
 <211> 23
 <212> DNA
 <213> Artificial Sequence

<220>
 <223>Description of Artificial Sequence:/Note =
 synthetic construct

<400> 6
 tccaagaggg gcgcgaccg ccg 23

<210> 7
 <211> 21
 <212> DNA
 <213> Artificial Sequence

<220>
 <223>Description of Artificial Sequence:/Note =
 synthetic construct

<400> 7
 aagactgcta gccgagtagt g 21

<210> 8
 <211> 20
 <212> DNA
 <213> Artificial Sequence

<220>
 <223>Description of Artificial Sequence:/Note =
 synthetic construct

<400> 8
 cacaatactc gagttagggc 20